

ABSTRACT

The invention relates to a combustion driven working tool having a combustion chamber (2), a piston (8) guided in a cylinder (5), an ignition system for igniting a fuel supplied to the combustion chamber (2) for driving the piston (8) and a fan (7) at least for ventilating the combustion chamber (2). The running time and/or the speed of the fan (7) can be set as a factor of a measured temperature to realize a combustion driven working tool where an optimal ignition behavior can be set under changing working conditions, in particular under conditions of changing external temperature. A combustion chamber temperature is measured by a first temperature sensor (3) arranged on the combustion chamber (2) and supplied to a control unit (9), which calculates the cooling time and/or the speed for the fan (7) as a factor of the measured combustion chamber temperature and supplies these values to the motor (4). A second temperature sensor (12) is utilized for measuring the external temperature for the calculation of the cooling time or the speed of the fan (7).